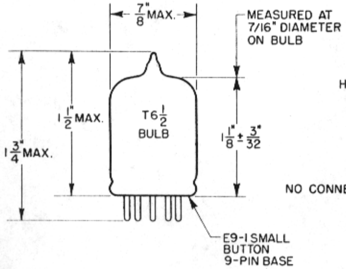
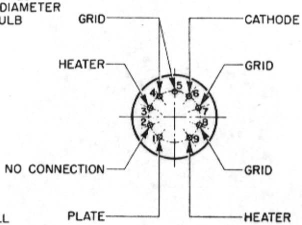
ADVANCE ELECTRON TUBE DATA SHEET

WESTERN ELECTRIC 417A* ELECTRON TUBE





DESCRIPTION

The 5842/417A* is a 9-pin miniature triode of the unipotential cathode type. It is intended primarily for grounded-grid operation in the input stage of broad band amplifiers.

CHARACTERISTICS

Heater Voltage	6.3 volts
Maximum Plate Voltage	180 volts
Amplification Factor	43

FILE: MINIATURE SECTION
ISSUE 2, 3-50

GENERAL CHARACTERISTICS

ELECTRICAL DATA

Heater Voltage	6.3 volts
Heater Current	300 milliamperes
Direct Interelectrode Capacitances	(without external shield)
Input (cathode to grid and heater)	9.0 uuf
Output (plate to grid and heater)	1.8 uuf
Plate to Cathode and Heater	0.48 uuf

MECHANICAL DATA

Cathode	Coated unipotential
Bulb	T6-1/2
Base	Small button 9-pin
Mounting Position	Any

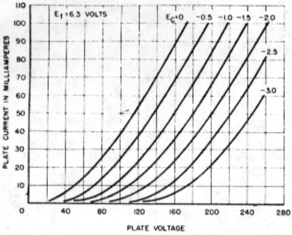
MAXIMUM RATINGS, Design Center Values

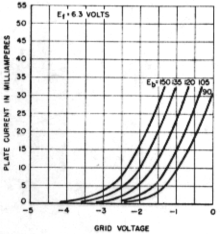
Plate Voltage	180 volts
Plate Dissipation	4 watts
Cathode Current	35 milliamperes
Heater-Cathode Voltage	50 volts
Bulb Temperature	120°centigrade

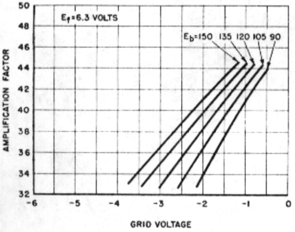
OPERATING CONDITIONS AND CHARACTERISTICS

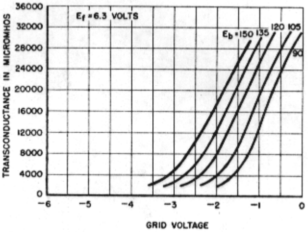
Plate Supply Voltage	130	150 volts
Grid Voltage *	+9	--- volts
Cathode Resistor	360	62 ohms
Plate Current	27.4	26 milliamperes
Plate Resistance	1600	1800 ohms
Transconductance	28000	24000 micromhos
Amplification Factor	44	43

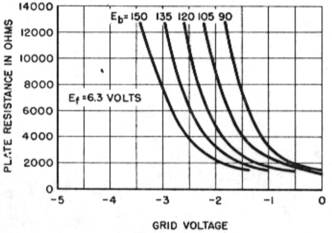
* Reference point for "Grid Voltage" is the negative end of the cathode resistor.











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